

8th October 2025

ASX RELEASE

Flowing hydrogen and helium gas shows recorded in McCoy 1

- Elevated hydrogen and helium flowing gas shows measured real-time during swabbing operations.
- Production test to appraise representative flowing gas composition in 2026 planned for after winter season.
- Geologic hydrogen and helium confirmed from wellhead gas samples taken and analysed from Sue Duroche 3, Blythe 13-20 and McCoy 1.

HyTerra Limited (ASX: HYT) (HyTerra or the Company) is pleased to provide an update on the McCoy 1 well in its Project Nemaha acreage.

As previously announced (August 1), McCoy 1 was HyTerra's first non-twinned well and drilled to a total depth of 5,562ft MDKB (1,695m) on time, on budget, with no HSE incidents. This is the deepest well HyTerra has drilled to date. The well drilled through approximately 1,430ft (435m) of sedimentary rocks and 4,132ft (1260m) of Precambrian basement.

The nearby Sue Duroche 3 well already confirmed the flow potential of the Precambrian basement. To appraise the dynamic hydrogen and helium flow potential of the formation, HyTerra installed a real-time gas monitoring system while swabbing McCoy 1. Elevated hydrogen and helium flowing gas shows were measured during swabbing, as shown in *Figure 1*.

The results were encouraging, and the Company intends to plan and design a production testing program to further appraise and obtain representative flowing gas compositions from the basement formation. This involves additional work to identify intervals for potential zonal isolation, site works, and procurement of appropriate pumps and other equipment. HyTerra anticipates being ready to carry out a production test after the winter season in 2026.

HyTerra also obtained wellhead gas samples from Sue Duroche 3, Blythe 13-20 and McCoy 1 during cleanup and flow back operations. They have been analysed by an independent laboratory and the compositions are provided in *Table 1*.

For personal use only

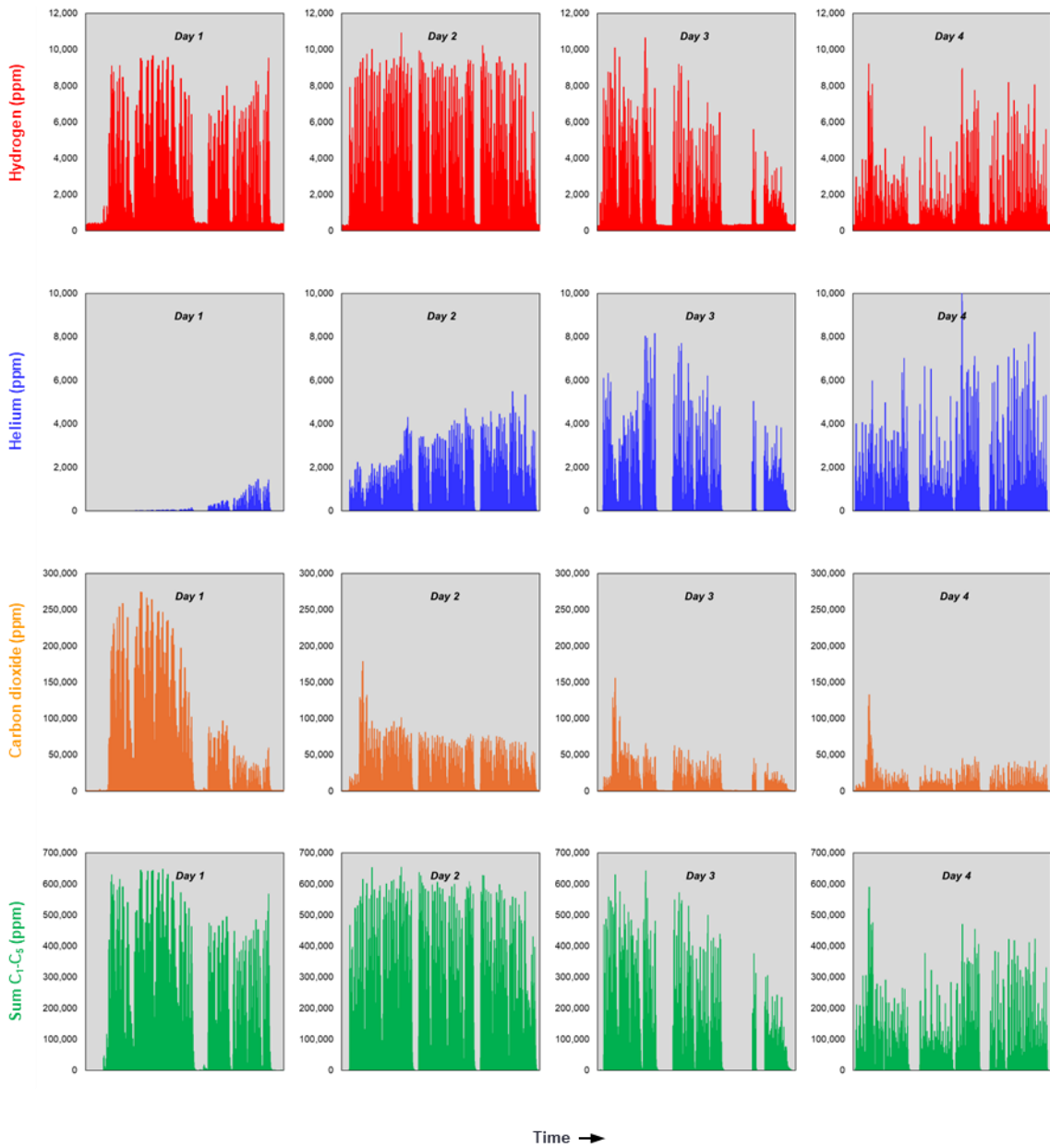


Figure 1: McCoy 1 real-time flowing gas show logs, days 1-4.

Avon McIntyre, Executive Director says; *"We are very encouraged by the flowing hydrogen and helium gas shows, confirmed by well head gas composition analysis. I look forward to discussing the results further at the AAPG Midcontinent Conference in Oklahoma City this week."*

For personal use only

Table 1 – Listing Rule 5.30 information – wellhead gas shows

	McCoy 1	Blythe 13-20	Sue Duroche 3																								
Name																											
Reference datum	NAD 83																										
Latitude	39.1006734°	38.818240699°	39.161827°																								
Longitude	-96.3670082°	-96.780281078°	-96.444061°																								
Permit	SW/4 Sec. 13-T11S-R09E	SE/4 Sec 20-T14S-R06E	SW/4 Sec. 20-T10S-R09E																								
Entity holders	HYT Operating LLC (100%)																										
Type and duration of test ¹	4 days of clean up and swabbing	2 days of clean up and swabbing	2 days of clean up and free flow																								
Phase recovered	Gas and water	Gas and water	Gas and water																								
Zones tested	Precambrian	Precambrian	Precambrian																								
Formation	Precambrian basement (undifferentiated)	Precambrian basement (undifferentiated)	Precambrian basement (undifferentiated)																								
Gross thickness ²	4,029 ft	2,372 ft	2,227 ft																								
Geological rock type	Precambrian basement																										
Depth of zones tested	Between 1,471 ft and 5,500 ft	Between 3,166 ft and 5,538 ft	Between 1,226 ft and 3,453 ft																								
Resources	<table border="1"> <thead> <tr> <th>Hydrogen</th> <th>Helium</th> <th>Sum C₁-C₅</th> <th>CO₂</th> </tr> </thead> <tbody> <tr> <td>170 ppm (mean) 590 ppm (max)</td> <td>5,300 ppm (mean) 21,000 ppm (max)</td> <td>680,000 ppm (mean) 790,000 p (max)</td> <td>91,000 ppm (mean) 200,000 (max)</td> </tr> </tbody> </table>	Hydrogen	Helium	Sum C ₁ -C ₅	CO ₂	170 ppm (mean) 590 ppm (max)	5,300 ppm (mean) 21,000 ppm (max)	680,000 ppm (mean) 790,000 p (max)	91,000 ppm (mean) 200,000 (max)	<table border="1"> <thead> <tr> <th>Hydrogen</th> <th>Helium</th> <th>Sum C₁-C₅</th> <th>CO₂</th> </tr> </thead> <tbody> <tr> <td>3,600 ppm (mean) 7,300 ppm (max)</td> <td>39 ppm (mean) 130 ppm (max)</td> <td>160 ppm (mean) 580 ppm (max)</td> <td>15,000 ppm (mean) 74,000 ppm (max)</td> </tr> </tbody> </table>	Hydrogen	Helium	Sum C ₁ -C ₅	CO ₂	3,600 ppm (mean) 7,300 ppm (max)	39 ppm (mean) 130 ppm (max)	160 ppm (mean) 580 ppm (max)	15,000 ppm (mean) 74,000 ppm (max)	<table border="1"> <thead> <tr> <th>Hydrogen</th> <th>Helium</th> <th>Sum C₁-C₅</th> <th>CO₂</th> </tr> </thead> <tbody> <tr> <td>3,500 ppm (mean) 4,900 ppm (max)</td> <td>16,000 ppm (mean) 31,000 ppm (max)</td> <td>8,300 ppm (mean) 16,000 ppm (max)</td> <td>29,000 ppm (mean) 53,000 ppm (max)</td> </tr> </tbody> </table>	Hydrogen	Helium	Sum C ₁ -C ₅	CO ₂	3,500 ppm (mean) 4,900 ppm (max)	16,000 ppm (mean) 31,000 ppm (max)	8,300 ppm (mean) 16,000 ppm (max)	29,000 ppm (mean) 53,000 ppm (max)
Hydrogen	Helium	Sum C ₁ -C ₅	CO ₂																								
170 ppm (mean) 590 ppm (max)	5,300 ppm (mean) 21,000 ppm (max)	680,000 ppm (mean) 790,000 p (max)	91,000 ppm (mean) 200,000 (max)																								
Hydrogen	Helium	Sum C ₁ -C ₅	CO ₂																								
3,600 ppm (mean) 7,300 ppm (max)	39 ppm (mean) 130 ppm (max)	160 ppm (mean) 580 ppm (max)	15,000 ppm (mean) 74,000 ppm (max)																								
Hydrogen	Helium	Sum C ₁ -C ₅	CO ₂																								
3,500 ppm (mean) 4,900 ppm (max)	16,000 ppm (mean) 31,000 ppm (max)	8,300 ppm (mean) 16,000 ppm (max)	29,000 ppm (mean) 53,000 ppm (max)																								
Volumes recovered	1,926 bbls	442 bbls	493 bbls																								
Fracture stimulation	None	None	None																								
Material non-hydrocarbons	Nitrogen	Nitrogen	Nitrogen																								

¹ Refers to gas sampled at the well head

² Refers to interval within the well bore which is uncased and open-hole

³ Average (mean) values were averaged from 17 samples analysed from McCoy-1, 6 samples from Blythe 13-20, and 4 samples from Sue Duroche 3

⁴ Values were originally reported in mol % from Isotech Laboratories; they have been converted to ppm by multiplying by 10,000

For personal use only

This announcement has been authorised for release by the Board of Directors.

For more information:

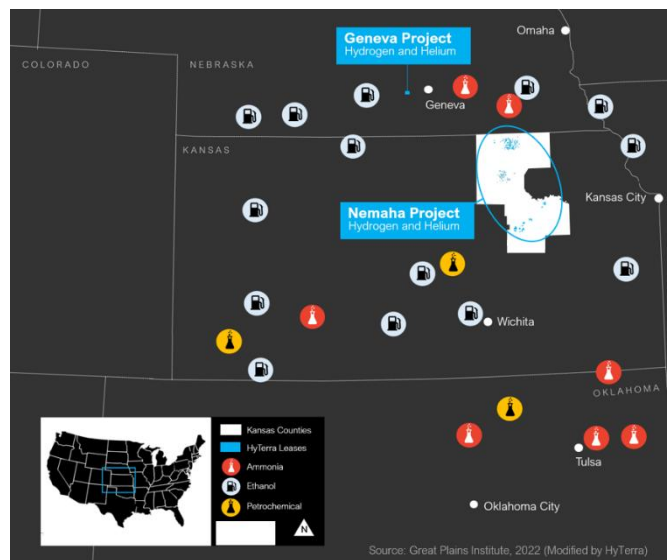
Benjamin Mee
Executive Director
info@hyterra.com

Avon McIntyre
Executive Director
info@hyterra.com

HyTerra. A World of Opportunity.

Exploring for natural hydrogen and helium resources near major industrial hubs. HyTerra was the first company to list on the ASX with a focus on white hydrogen, which is generated naturally by the Earth. White hydrogen potentially has much lower production costs and carbon emissions than man-made hydrogen.

Our Nemaha Project in Kansas, USA, holds 100% owned and operated leases across the emerging Nemaha Ridge natural hydrogen and helium play fairway. Our Geneva Project in Nebraska, USA, is a 16% earn-in interest in a Joint Development with Natural Hydrogen Energy LLC targeting natural hydrogen and helium. Both projects could be connected via existing transport infrastructure to multiple nearby off-takers, including ammonia manufacturers, and petrochemical plants.



For more information please see the latest corporate presentation: www.hyterra.com

Important Risk Commentary:

It is important to note that there remains both geological and potential development risks with these projects and the Company's commercial and business objectives. This is an emerging frontier with the potential to unlock significant low-carbon hydrogen gas supplies but with equally significant risk and uncertainty. Key risks include the presence, concentrations, recovery, and commercial potential of both hydrogen and helium gases. For more information on risks please refer to the ASX release 'Entitlement Issue Prospectus' on April 8th, 2024: <https://wcsecure.weblink.com.au/pdf/HYT/02793318.pdf>

Forward Looking Statements:

This release may contain forward-looking statements. These statements relate to the Company's expectations, beliefs, intentions or strategies regarding the future. These statements can be identified by the use of words like "anticipate", "believe", "intend", "estimate", "expect", "may", "plan", "project", "will", "should", "seek" and similar words or expressions containing same. These forward-looking statements reflect the Company's views and assumptions with respect to future events as of the date of this release and are subject to a variety of unpredictable risks, uncertainties, and other unknowns. Actual and future results and trends could differ materially from those set forth in such statements due to various factors, many of which are beyond our ability to control or predict. These include, but are not limited to, risks or uncertainties associated with the discovery and development subsurface gas reserves, cash flows and liquidity, business

and financial strategy, budget, projections and operating results, gas prices, amount, nature and timing of capital expenditures, including future development costs, availability and terms of capital and general economic and business conditions. Given these uncertainties, no one should place undue reliance on any forward-looking statements attributable to HyTerra, or any of its affiliates or persons acting on its behalf. Although every effort has been made to ensure this release sets forth a fair and accurate view, we do not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Nothing contained in this announcement, nor any information made available to you is, or and shall be relied upon as, a promise, representation, warranty or guarantee as to the past, present or the future performance of HyTerra.

For personal use only